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### Claims

1. A cartilage cell culture medium comprising a basic medium suitable for culturing primary human cells and, additionally, 0.5 to 50.0 ng/ml of EGF, 0.5 to 50.0 ng/ml of FGF, 0.1 to 10.0 ng/ml of PDGF, 0.5 to 50.0 ng/ml of IGF, 1.0 to 100.0 ng/ml of dexamethasone, and 0.1 to 10.0 mM of glutamine.
2. A cartilage cell culture medium according to claim 1 comprising 5.0 to 20.0 ng/ml of EGF, 5.0 to 20.0 ng/ml of FGF, 1.0 to 6.0 ng/ml of PDGF, 5.0 to 20.0 ng/ml of IGF, 10.0 to 60.0 ng/ml of dexamethasone, and 1.0 to 6.0 mM of glutamine.
3. A cartilage cell culture medium according to claim 1 comprising 10.0 ng/ml of EGF, 10.0 ng/ml of FGF, 3.0 ng/ml of PDGF, 10.0 ng/ml of IGF, 40.0 ng/ml of dexamethasone, and 4.0 mM of glutamine.
4. A cartilage cell culture medium according to any of the previous claims additionally comprising up to 15 % (w/v) of human serum.
5. A cartilage cell culture medium according to claim 4 additionally comprising 3 to 5 % (w/v) of human serum.
6. A cartilage cell culture medium according to any of the previous claims wherein the basic medium is selected from the group consisting of Eagle's MEM, DMEM, RPMI, MEM and OptiPro®.
7. The use of a cartilage cell culture medium according to any of the previous claims for culturing cartilage cells.
8. The use according to claim 7, wherein said culture is started on the basis of tissue biopsies of a patient.

9. The use according to claim 7 or 8, wherein the cartilage cells are determined for reimplantation into a human being.
10. A cartilage cell suspension in a medium according to any of the claims 1 to 6.